

SIMOCODE 3UF Motor Management and Control Devices

SIMOCODE pro 3UF7 motor management and control devices

Technical specifications

General data applicable to the basic units, current measuring modules, current/voltage measuring modules, expansion modules and operator panel		
Permissible ambient temperature • During operation • Storage and transport	°C °C	-25 ... +60 -40 ... +80
Installation altitude above sea level • Permissible ambient temperature max. +50 °C (no safe isolation) • Permissible ambient temperature max. +40 °C (no safe isolation)	m m m	≤2000 ≤3000 ≤4000
Degree of protection (acc. to IEC 60529) • All components, (except for current measuring modules or current/voltage measuring modules for busbar connection, operator panel and door adapter) • Current measuring modules or current/voltage measuring module with busbar connection • Operator panel (front) and door adapter (front) with cover		IP20 IP00 IP54
Shock resistance (sine pulse)	g/ms	15/11
Mounting position		Any
Frequency	Hz	50/60 ±5 %
Immunity to electromagnetic interferences (acc. to IEC 60947-1) • Line-induced interference, burst acc. to IEC 61000-4-4 • Line-induced interference, high frequency acc. to IEC 61000-4-6 • Line-induced interference, surge acc. to IEC 61000-4-5 • Electrostatic discharge, ESD acc. to IEC 61000-4-2 • Field-related interference acc. to IEC 61000-4-3	kV kV V kV kV kV kV V/m	Corresponds to degree of severity 3 2 (power ports) 1 (signal ports) 10 2 (line to earth) 1 (line to line) 8 (air discharge) 6 (contact discharge) 10
Immunity to electromagnetic interference (acc. to IEC 60947-1) • Line-conducted and radiated interference emission		EN 55011/EN 55022 (CISPR 11/CISPR 22) (corresponds to degree of severity A)
Safe isolation (acc. to IEC 60947-1)		All circuits in SIMOCODE pro are safely isolated from each other according to IEC 60947-1, they are designed with doubled creepage paths and clearances In this context, compliance with the instructions in the test report "Safe Isolation" No. 2668 is required.
Basic units		
Mounting		Snap-on mounting onto 35 mm standard mounting rail or screw fixing with additional push-in lugs
Displays • Red/green/yellow LED "DEVICE" • Green "BUS" LED • Red "GEN. FAULT" LED		• Green: "Ready" • Red: "Function test not OK; device is disabled" • Yellow: "Memory module or addressing plug detected" • Off: "No control supply voltage" • Continuous light: "Communication with PLC/PCS" • Flashing: "Baud rate recognized/communicating with PC/PG" • Continuous light/flashing: "Feeder fault", e.g. overload trip
Test/Reset buttons		• Resets the device after tripping • Function test • Operation of a memory module or addressing plug
System interface • Front • Bottom		Connection of an operator panel or expansion modules; the memory module, addressing plug or a PC cable can also be connected to the system interface for parameterizing Connection of a current measuring module or current/voltage measuring module
PROFIBUS DP interface		Connection of the PROFIBUS DP cable over terminal connection or over a 9-pin sub D socket